

Contents

Abstracted/Indexed in/Cited in: API Abstracts; Chemical Engineering and Biotechnology Abstracts; Catalysts & Catalysis; Chem Inform; Chemical Abstracts; Current Contents: Engineering; Current Contents: Engineering Index; Current Contents: Physical, Chemical & Earth Sciences; Engineering, Technology & Applied Sciences; Metals Abstracts; Research Alert; SCISEARCH; Science Citation Index; Theoretical Chemical Engineering Abstracts. Also covered in the abstract and citation database Scopus®. Full text available on ScienceDirect®

| | |
|---|-----|
| Facile synthesis of flower-like $\text{Bi}_{12}\text{O}_{17}\text{Cl}_2/\beta\text{-Bi}_2\text{O}_3$ composites with enhanced visible light photocatalytic performance for the degradation of 4- <i>tert</i> -butylphenol G. He, C. Xing, X. Xiao, R. Hu, X. Zuo and J. Nan (PR China) | 1 |
| Textural and electronic structure engineering of carbon nitride via doping with π -deficient aromatic pyridine ring for improving photocatalytic activity Z. Chen, P. Sun, B. Fan, Q. Liu, Z. Zhang and X. Fang (China) | 10 |
| N-doped $\text{Na}_2\text{Ti}_6\text{O}_{13}$ @ TiO_2 core-shell nanobelts with exposed {1 0 1} anatase facets and enhanced visible light photocatalytic performance C. Liu, T. Sun, L. Wu, J. Liang, Q. Huang, J. Chen and W. Hou (PR China) | 17 |
| Insight into the photocatalytic activity of $\text{ZnCr}-\text{CO}_3$ LDH and derived mixed oxides Š. Paušová, J. Krýsa, J. Jirkovský, C. Forano, G. Mailhot and V. Prevot (France, Czech Republic) | 25 |
| CoZSM-11 catalysts for N_2O decomposition: Effect of preparation methods and nature of active sites P. Xie, Y. Luo, Z. Ma, L. Wang, C. Huang, Y. Yue, W. Hua and Z. Gao (PR China) | 34 |
| Role of MgO over $\gamma\text{-Al}_2\text{O}_3$ -supported Pd catalysts for carbon dioxide reforming of methane C. Shi and P. Zhang (USA) | 43 |
| Nanostructured TiO_2 /KIT-6 catalysts for improved photocatalytic reduction of CO_2 to tunable energy products M. Hussain, P. Akhter, G. Saracco and N. Russo (Italy, Pakistan) | 53 |
| A facile approach to further improve the substitution of nitrogen into reduced TiO_{2-x} with an enhanced photocatalytic activity Y. Zhou, Y. Liu, P. Liu, W. Zhang, M. Xing and J. Zhang (China) | 66 |
| Carbon-based TiO_2 materials for the degradation of Microcystin-LA M.J. Sampaio, C.G. Silva, A.M.T. Silva, L.M. Pastrana-Martínez, C. Han, S. Morales-Torres, J.L. Figueiredo, D.D. Dionysiou and J.L. Faria (Portugal, USA) | 74 |
| Photocatalytic activity of TiO_2 -embedded fluorinated transparent coating for oxidation of hydro-soluble pollutants in turbid suspensions F. Persico, M. Sansotera, C.L. Bianchi, C. Cavallotti and W. Navarrini (Italy) | 83 |
| Solar photocatalysis: Materials, reactors, some commercial, and pre-industrialized applications. A comprehensive approach D. Spasiano, R. Marotta, S. Malato, P. Fernandez-Ibañez and I. Di Somma (Italy, Spain) | 90 |
| Protonated titanate nanotubes as a highly active catalyst for the synthesis of renewable diesel and jet fuel range alkanes S. Li, N. Li, G. Li, L. Li, A. Wang, Y. Cong, X. Wang, G. Xu and T. Zhang (PR China) | 124 |
| DFT study on the reaction mechanisms behind the catalytic oxidation of benzyl alcohol into benzaldehyde by O_2 over anatase TiO_2 surfaces with hydroxyl groups: Role of visible-light irradiation H. Kobayashi and S. Higashimoto (Japan) | 135 |
| $\text{Ru}_{x}\text{Ti}_{1-x}\text{O}_2$ as the support for Pt nanoparticles: Electrocatalysis of methanol oxidation M.D. Obradović, U.-4. Lačnjevac, B.M. Babić, P. Ercius, V.R. Radmilović, N.V. Krstajić and S.Lj. Gojković (Serbia, USA) | 144 |
| Nanostructured N-doped TiO_2 coated on glass spheres for the photocatalytic removal of organic dyes under UV or visible light irradiation V. Vaiano, O. Sacco, D. Sannino and P. Ciambelli (Italy) | 153 |

(Contents continued on bm I)

ScienceDirect

Full text of this journal is available, on-line from **ScienceDirect**. Visit www.sciencedirect.com



0926-3373 (201507) 170/171; 1-B